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实验日期: 2020.5.26 教师签字: 成绩:

实验内容 1

(1) - (5)

```
1 //0201
2 #include <stdio.h>
3 void main(void)
4 {
5     int *var, ab;
6
7     ab = 100; var = &ab; ab = *var + 10;
8
9     printf("Format: \"%d\\n\", *var);
10 }
11
```

运行 0526\_2 x

D:\C++\Lesson\0526-2\cmake-build-debug\0526\_2.exe

110

```
12 //0202
13 #include <stdio.h>
14 void main(void)
15 {
16     int i=3, *p1;
17     int a[3]={ [0]: 15, [1]: 30, [2]: 45}, *p2;
18
19     p1 = &i; p2 = a;
20     p1 = p2 + 2;
21
22     printf("Format: \"%d,%d\\n\", *p1, *p2);
23 }
24
```

运行 0526\_2 x

45,15

```

25 //0203
26 #include <stdio.h>
27 void main(void)
28 {
29     int a[]={ [0]: 1, [1]: 2, [2]: 3, [3]: 4, [4]: 5}, *p;
30
31     p = a;
32     *(p+2) += 2;
33
34     printf(Format: "%d,%d\n", *p, *(p+2));
35 }

```

运行 0526\_2 x

1,5

进程已结束 退出代码 0

```

37 //0204
38 #include <stdio.h>
39 void main(void)
40 {
41     int a[]={ [0]: 1, [1]: 3, [2]: 5, [3]: 7, [4]: 9}, *p, **k;
42
43     p = a; k = &p;
44
45     printf(Format: "%d,", *(p ++));
46     printf(Format: "%d\n", **k);
47 }

```

运行 0526\_2 x

1,3

1,3

进程已结束 退出代码 0

```

49 //0205
50 #include <stdio.h>
51 void main(void)
52 {
53     int num[]={ [0]: 1, [1]: 3, [2]: 5, [3]: 7}, s=1, i, *p=num;
54
55     for( i = 0; i < 3; i ++ )
56         s *= *(p + i);
57
58     printf( Format: "%d\n", s);
59 }
60

```

运行 0526\_2 x

15

## 实验内容 2

```

61 //0302
62 #include <stdio.h>
63 #define SIZE 10
64 void main( void )
65 {
66     int Num[SIZE], *ptr=Num;
67     int i;
68
69     printf( Format: "Input 10 normal numbers: ");
70     for( i = 0; i < SIZE; i ++ )
71         scanf( Format: "%d", ptr++);
72
73     printf( Format: "Inputted numbers are :");
74     /*****ERROR*****/
75     ptr=Num;
76     for( i = 0; i < SIZE; i ++ )
77         printf( Format: "%d ", *ptr++);
78     printf( Format: "\n");
79 }
80

```

错误在于：输入完数字后应让指针 **ptr** 重新指向 **Num**

```
main
运行 0526_2 x
Input 10 normal numbers: 1 2 3 4 5 6 7 8 9 10
Inputted numbers are :1 2 3 4 5 6 7 8 9 10
```

### 实验内容 3

```
81 // (5)
82 #include <stdio.h>
83 #include <stdlib.h>
84 void main()
85 {
86     int n,*num;
87     int i,j,k;
88     scanf(Format: "%d",&n);
89     if((num=(int *) malloc(Size: sizeof(int)*n))==NULL)
90     {
91         printf(Format: "内存分配失败");
92         return;
93     }
94     for(i=0;i<n;i++)
95         scanf(Format: "%d",num+i);
96     for(i=0;i<n;i++)
97         for (j = i + 1; j < n; j++)
98         {
99             if (*(num+i) == *(num+j))
100                 for (k = j; k < n - 1; k++)
101                 {
102                     *(num+k) = *(num+k + 1);
103                     n--;
104                     j--;
105                 }
106         }
107     for(i=0;i<n;i++)
108         printf(Format: "%d ",*(num+i));
109 }
```

```
运行 0526_2 x
D:\C++\Lesson\0526-2\cmake-build-debug\0526_2.exe
10
12 35 30 10 35 30 22 7 12 20
12 35 30 10 22 22
进程已结束,退出代码6
```